Technical Data Sheet

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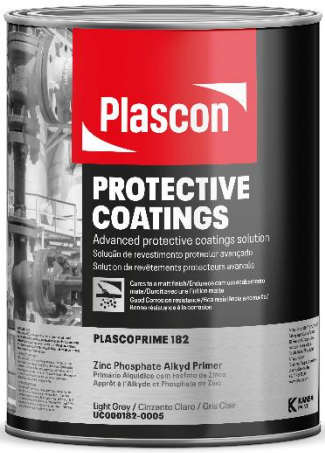


Product name

# PLASCOPRIME 182 SB

## ZINC PHOSPHAHTE ALKYD PRIMER(UC 182)

## PRODUCT DESCRIPTION

A single component modified alkyd, zinc phosphate primer.

## INTENDED USES

- It is designed for the protection of hand prepared and abrasive blast cleaned steel.
- Exhibits excellent anticorrosive properties when used in an inland environment.
- Can be over-coated after the specified period by alkyd-based intermediates and finishing coats.

## FEATURES AND BENEFITS

- Cures to a matt finish.
- Suitable for application where a primer with quick drying properties is required.
- Good Corrosion resistance

## PRODUCT INFORMATION

| | |
|---|---|
| Appearance | Matt |
| Colours | Grey |
| Volume Solids | ± 48% (typical) |
| Recommended DFT | Min: 35µm, Max: 100µm |
| Recommended WFT | Min: 70µm, Max: 200µm. |
| Theoretical spreading rate | 9.2m²/L at 45µm DFT at stated volume solids. |
| Practical spreading rate | The practical spreading rate will vary depending on the porosity and profile of the substrate as well as the application techniques & tools used. |
| VOC | < 522g/L |
| Flash Point | 9°C |
| Viscosity | 90 - 100KU (typical) |

## APPLICATION DETAILS

| | | | |
|---|---|---|---|
| Mixing | Stir well with a power agitator until completely homogeneous. | | |
| Method | Airless conventional spray and brush and roller.<br>Airless spray: Recommended Tip Size: 0.017" – 0.019"<br>Nozzle pressure: 172 bar (2500 p.s.i.)<br>Conventional Spray (Pressure Pot): Gun: DeVilbiss MBC or J. Air Cap 704 0R 765 Fluid Tip : E<br>Brush: Min 30µm, Max 40µm DFT can be achieved<br>Roller: Min 30µm, Max 40µm DFT can be achieved | | |
| Application environment | Surface Temperature | Min*: 10°C | Max: 40°C |
| | Ambient Temperature | Min*: 10°C | Max: 40°C |
| | Relative Humidity | Min*: 10% | Max: 85% |
| | *Or 3°C min. above dew point | | |
| Thinning | THINNER 5030(PUR 1) | | |
| Cleaning | THINNER 5030(PUR 1), | | |
| Drying Time | Touch dry | 30min at 23°C | |
| | Over coating(Min) | 12h at 23°C | |
| | Over coating(Max) | Indefinite at 23°C | |
| | Dry to handle | 2h at 23°C | |

## STORAGE AND PACKAGING

Store away from direct sun, heat, open flames, sparks and severe cold.
Shelf Life: 24 months
Single Pack: 5L and 20L

## SURFACE PREPARATION

All surfaces must be firm, dry, and clean, free from oil, grease, or any other contaminants.
All surfaces before painting should be assessed and treated in accordance with ISO 8504 -1:2000 and 8504 -2:2000

### MILD STEEL

- Oil and grease should be removed using STEELTECT 7100 SB(GR1) followed by clean water rinses.
- Soluble chloride content may not exceed 75mg/m².

- Dust and debris not to exceed 0.3% when tested in accordance with SANS test method 769.
- Areas of breakdown, damage or weld seams should be prepared to the specified standard and patch primed prior to application of PLASCOPRIME 170 SB.
- Preferred surface preparation is abrasive blast clean to SA 2½ of the International standard ISO 8501-1:2007 to achieve an angular blast profile 50 -75 µm or if abrasive blasting is impossible, mechanically abrade to Grade ST3 ISO 8501-1:2007 – this is not as effective as abrasive blasting and will reduce the life expectancy of the coating system.
- The primer must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be re-blasted or abraded to the standards specified above.

## APPLICATION INFORMATION

- Ensure product is mixed well and completely homogenous prior to use.
- Before over coating, ensure that the primer surface is thoroughly clean. Use POLYCELL SUGAR SOAP SOLUTION and abrasive pads if necessary and rinse well with water.
- Not recommended for water immersion conditions
- Substrate preparation is a deciding factor in product performance

## SAFETY PRECAUTIONS

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Safety Data Sheet for complete information.

## DISCLAIMER

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be dependable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

**NB:** Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.
**NB: TO ORDER:** Quote product name, product code number, packaging, and colour.

**KANSAI PLASCON (PTY) LTD**
10 Frederick Cooper Drive,
Factoria, Krugersdorp
South Africa
1739.
Tel: +27 11 951 4500
Fax: +27 800 110 932

**PLASCON ADVISORY SERVICE:** 0860 20 40 60
**EMAIL:** advice@kansaiplascon.co.za